

## Message Text

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ACTION IO-14

INFO OCT-01 EUR-12 ISO-00 SS-15 OES-07 ACDA-12 CIAE-00

INR-10 L-03 NSAE-00 NSC-05 EB-08 NRC-07 SOE-02

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R 101556Z APR 78

FM AMEMBASSY VIENNA

TO SECSTATE WASHDC 5896

INFO USDOEHQ WASHDC

USDOEHQ GERMANTOWN

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USIAEA

DEPT PASS IO/SCT, S/AS, OES(BORIGHT), AND ACDA(ROCHLIN)

FROM C. TILL

DOEHQ WASHDC PASS IA(GIAMBUSSO)

E.O. 11652: N/A

TAGS: ENRG, TECH

SUBJECT: INFCE WORKING GROUP 5, SUB-GROUP D, MEETING OF

APRIL 6, 1978

1. WORKING GROUP 5, SUP-GROUP D (ALTERNATE BREEDER CYCLES)

MET THURSDAY, APRIL 6, 0900 HOURS, UNDER THE CHAIARMANSHIP

OF G. KESSLER, FRG, AS RAPPORTEUR, IN A GENERALLY

CONSTRUCTIVE ATMOSPHERE. BELGIUM, FRG, ITALY, JAPAN,

SWITZERLAND, UK, AND THE US WERE PRESENT AS PARTICIPANTS,

PAKISTAN AND USSR AS OBSERVERS. REPRESENTATIVES FROM THE

CEC AND IAEA WERE ALSO PRESENT. PERHAPS SIGNIFICANTLY,

FRANCE WAS NOT REPRESENTED, ALTHOUGH THE RAPPORTEUR

STATED THAT THEY MAY BE AT THE NEXT SUB-GROUP D MEETING.

US REPS WERE C. E. TILL (ARGONNE) AND A. V. NERO (ACDA).

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2. THE US-SUGGESTED AMENDMENTS TO THE LIST OF CONTENTS

FOR THE SUB-GROUP D SUMMARY REPORT (THE "INTERNATIONAL

OUTLINE") WERE ADOPTED VERBATIM. (THE EFFECT OF THE

AMENDMENTS IS TO BROADEN THE SCOPE OF THE REACTOR

SYSTEMS CONSIDERED TO INCLUDE MIXED U/Pu/Th SYSTEMS.)

3. ALTHOUGH THERE WILL BE SCATTERED CONTRIBUTIONS FROM

OTHERS, IT IS CLEAR THAT THE BULK OF THE SUB-GROUP D WORK AND THE QUALITY OF THE SG-D REPORT WILL BE DEPENDENT UPON THE CONTRIBUTIONS OF THE FRG AND THE US.

4. SYMBIOTIC SYSTEMS WILL HAVE THE HIGHEST PRIORITY.

5. SUB-GROUP D WILL INCLUDE THE MATERIAL DEALING WITH CLOSING THE FUEL CYCLE FOR THE THORIUM PORTION OF ALTERNATIVE CYCLES THAT WAS TURNED DOWN BY SG-B AT ITS MEETING. FURTHER, THE RAPPORTEUR EXPRESSED THE WILLINGNESS TO MAINTAIN FLEXIBILITY TO INCLUDE OTHER MATERIAL RELEVANT TO SG-D CONSIDERATIONS THAT MAY BE REJECTED BY OTHER GROUP 5 SUB-GROUPS.

6. THE ITALIAN DELEGATE REQUESTED AND HAS ACCEPTED A CHANGE IN WORDING OF POINT D.4 IN THE SG-D OUTLINE FROM THE ORIGINAL WORDING OF "PROLIFERATION RESISTANCE OF U-TH FAST BREEDER FUEL CYCLES IN COMPARISON TO U-PU CYCLE," TO "PROLIFERATION RESISTANCE OF U-TH (AND U-PU-TH FAST BREEDER FUEL CYCLES) 'ALONG THE SAME LINES AS DEFINED AND DISCUSSED FOR THE U-PU FUEL CYCLE IN SG-B AND SG-C.'" (THE SINGLE QUOTATIONS MARKS GIVE THE ITALIAN ALTERNATIVE.) THE CHANGE IN WORDING, WHILE NOT THAT SIGNIFICANT IN ITSELF, PROBABLY IS INDICATIVE OF A CONTINUING STRONG UNDERLYING ATTITUDE ON THIS SUBJECT. FURTHER ALONG THIS LINE, THE ITALIAN DELEGATE TWICE STRESSED THE DIFFERENCE BETWEEN PROVEN AND PAPER FUEL UNCLASSIFIED

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CYCLES.

7. A NUMBER OF ACTION ITEMS DEALING WITH SUB-GROUP INTERACTIONS WERE TAKEN ON BY THE RAPPORTEUR. THE MEMBERS AGREED TO CONFIRM THE PAPERS TO BE SUBMITTED IN WRITING TO THE RAPPORTEUR BY THE MIDDLE OF MAY. THE PAPERS SHOULD BE IN HIS HANDS AT THE END OF AUGUST.

8. THE RAPPORTEUR SUGGESTED THAT THE MEMBERS CONTRIBUTING REACTOR PERFORMANCE DATA MEET IN EARLY JULY TO ACHIEVE SUFFICIENT CONSENSUS TO ALLOW SYSTEM STUDIES TO BE CARRIED FORWARD WITH CONSISTENT DATA SETS. AS THIS SEEMED LIKELY TO INVOLVE THE FRG AND THE US MAINLY, OR EVEN EXCLUSIVELY, HE VOLUNTEERED THAT THE GERMAN SIDE WOULD BE CONTENT TO HOLD SUCH DISCUSSIONS AT ARGONNE. OTHERS WOULD BE NOTIFIED, AND COULD ATTEND IF THEY SO WISHED. NO OBJECTION TO THIS SUGGESTION WAS RAISED.

9. A TIME FOR THE NEXT FUEL SUB-GROUP D MEETING WAS DISCUSSED BUT NO DATE WAS FIXED. IT WAS AGREED THAT SEPTEMBER IS ABOUT THE RIGHT TIME; THE RAPPORTEUR WILL FIX THE DATE.

10. THE RAPPOREUR STATED, IN HIS VIEW, THAT ALTHOUGH THE CONTRIBUTED REPORTS WILL BE EXPECTED BY SEPTEMBER 1, THE WORK OF THE SUB-GROUP WILL CONTINUE FOR AT LEAST A FEW MONTHS AFTER THAT DATE. IN PARTICULAR, THE SYSTEMS STUDIES WOULD BE COMPLETED ONLY AFTER CONTRIBUTIONS FROM OTHER WORKING GROUPS AND SUB-GROUPS HAD BEEN RECOGNIZED AND FACTORED IN. LABOWITZ

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